

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Eschscholzia californica*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ALLOCRYPTOPINE	Seed	--	--		
5	ALLOCRYPTOPINE	Plant	--	--		
5	ALLOCRYPTOPINE	Root	--	--		
5	ALLOCRYPTOPINE	Shoot	--	260		
3	ALPHA-ALLOCRYPTOPINE	Root	--	--		
1	ANTHERAXANTHIN	Flower	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
130	BERBERINE	Shoot	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	BETA-HOMOCHELIDONINE	Plant	--	--		
47	BETA-SITOSTEROL	Plant	--	--		
33	CHELERYTHRINE	Seed	--	--		
33	CHELERYTHRINE	Tissue Culture	4	100		
33	CHELERYTHRINE	Plant	--	--		
33	CHELERYTHRINE	Shoot	--	--		
33	CHELERYTHRINE	Leaf	--	--		
33	CHELERYTHRINE	Root	--	--		
3	CHELIRUBINE	Tissue Culture	--	11.5		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CHELIRUBINE	Root	--	--		
3	CHELIRUBINE	Shoot	--	--		
14	CODEINE	Plant	--	--		
3	COPTISINE	Root	--	--		
3	COPTISINE	Stem	--	--		
3	COPTISINE	Leaf	--	--		
6	CORYDINE	Shoot	--	--		
3	CORYTUBERINE	Shoot	--	6		
1	CRYPTOCAVINE	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	CRYPTOPINE	Shoot	--	--		
7	FUMARIC-ACID	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	FUMARINE	Plant	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
10	GLAUCINE	Plant	--	--		
9	HCN	Root	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	ISOCORYDINE	Shoot	--	--		
11	MAGNOFLORINE	Shoot	--	--		
11	MAGNOFLORINE	Root	--	93		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
22	MORPHINE	Plant	--	--		
24	PROTOPINE	Shoot	30	150		
24	PROTOPINE	Seed	--	--		
24	PROTOPINE	Root	--	--		
24	PROTOPINE	Plant	--	--		
44	QUERCITRIN	Plant	--	--		
87	RUTIN	Inflorescence	--	--		
87	RUTIN	Flower	5000	50000	0.01608811490970148	
48	SANGUINARINE	Stem	--	--		
48	SANGUINARINE	Plant	--	--		
48	SANGUINARINE	Tissue Culture	1.4	60		
48	SANGUINARINE	Root	--	--		
48	SANGUINARINE	Shoot	--	--		
48	SANGUINARINE	Leaf	--	--		
48	SANGUINARINE	Seed	--	--		
7	SUCCINIC-ACID	Root	--	--		CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	TRIGLOCHININ	Leaf	--	--		
2	VIOLAXANTHIN	Plant	--	--		
2	VIOLAXANTHIN	Flower	--	--		

<b>Activity Count</b>	<b>Chemical</b>	<b>Plant Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference Citation</b>
3	XANTHOPHYLL	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	ZEAXANTHIN	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.